Fig_1

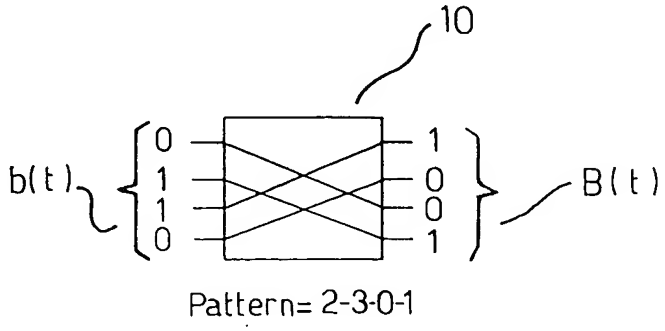


Fig_2

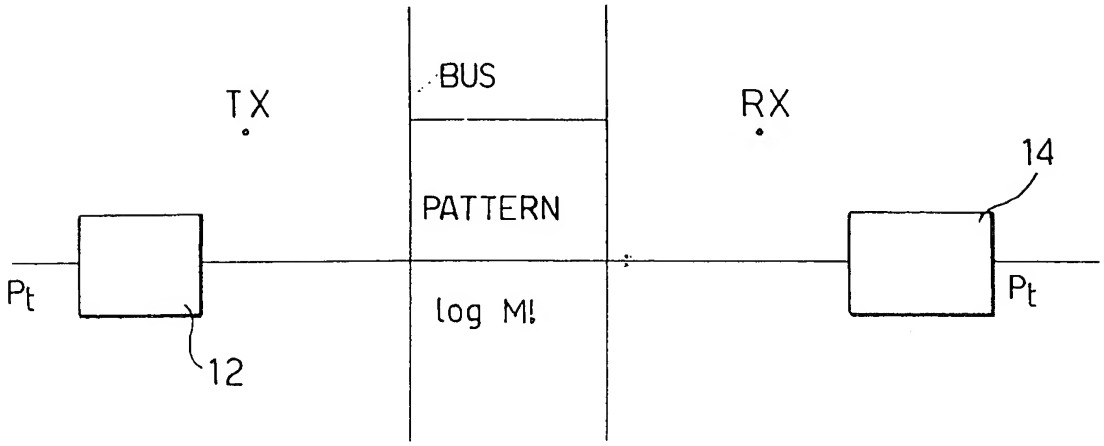
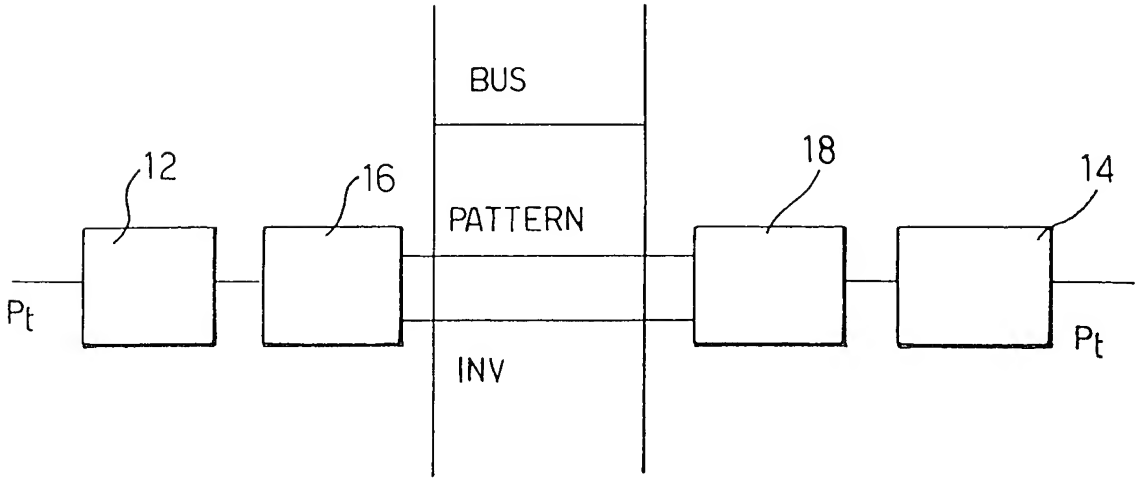


Fig_3



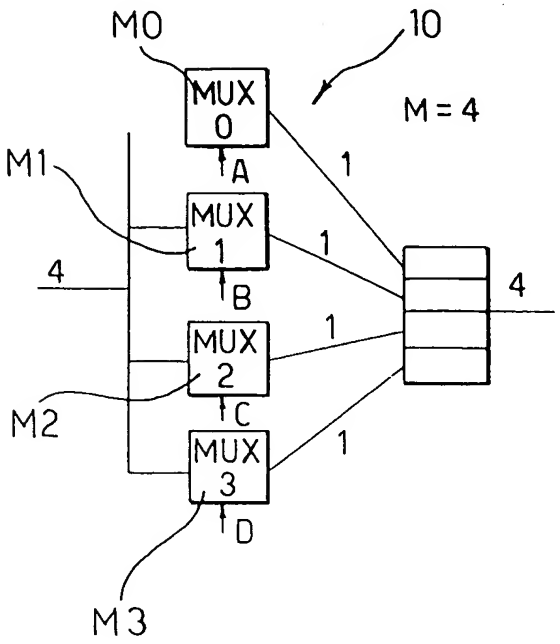


Fig_4

Fig_5

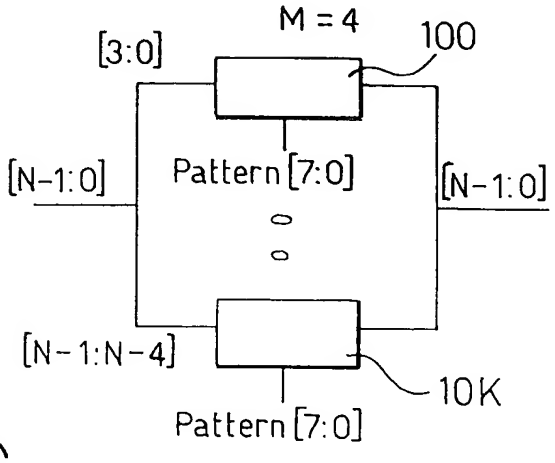
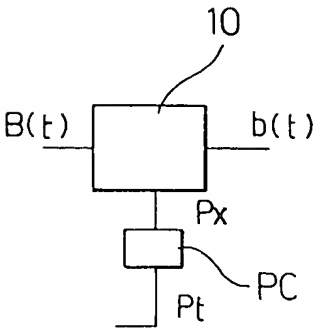


Fig_6

Fig_7



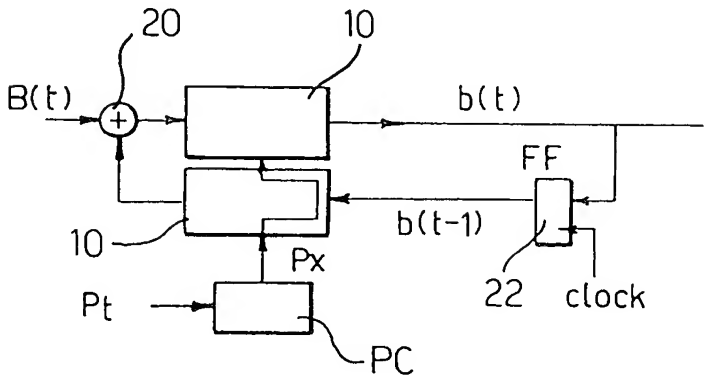


Fig_8

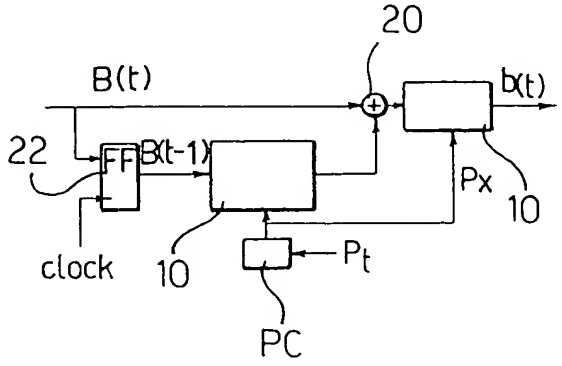


Fig_9

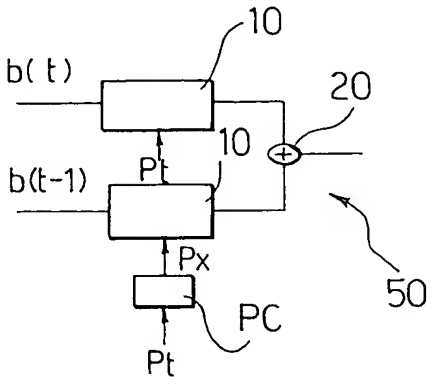


Fig_10

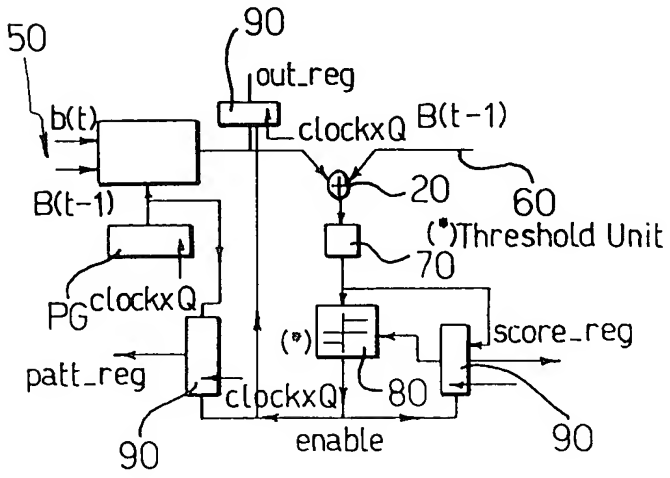


Fig_11

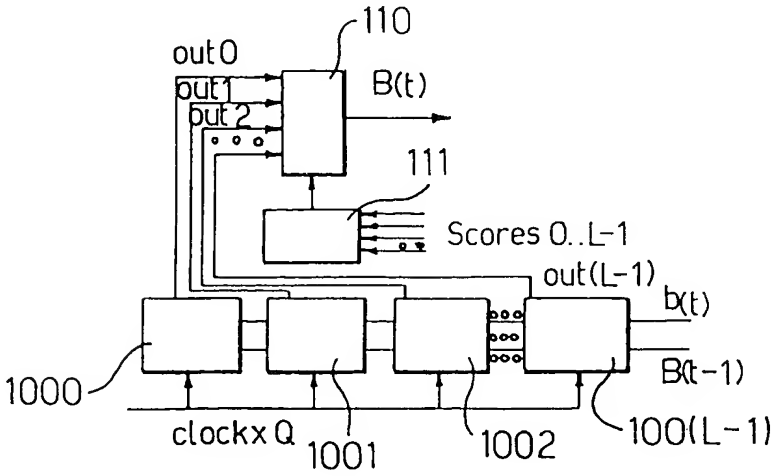


Fig. 12

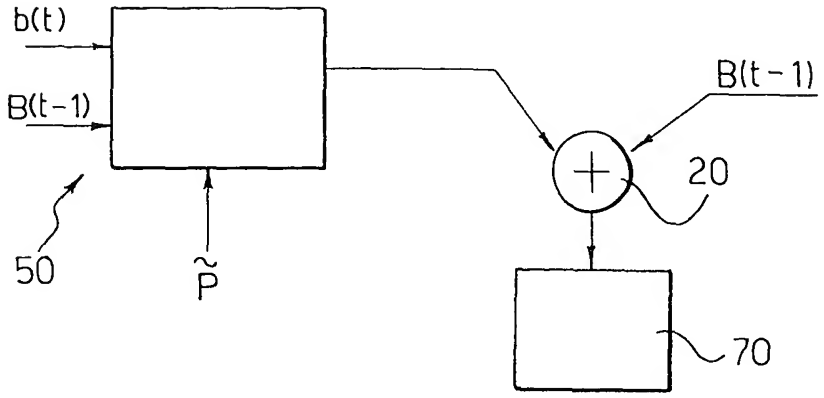
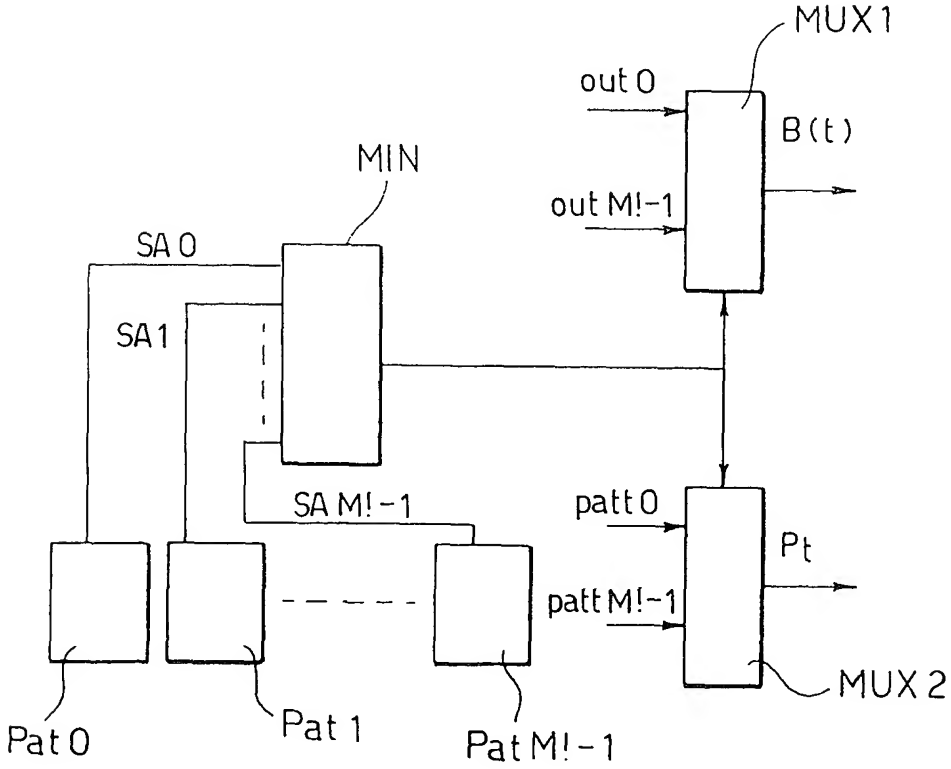

b(t)
B(t-1)
50
P̃
B(t-1)
20
70

Fig. 13


MUX1
out 0
B(t)
out M!-1
MIN
SA 0
SA 1
SA M!-1
patt 0
Pt
patt M!-1
MUX 2
Pat 0
Pat 1
Pat M!-1